



### ISE CORPORATE OVERVIEW

- ISE is a leading supplier of control systems, software for large hybrid-electric vehicles (buses and trucks)
- Leveraging of controls IP and strategic partnerships allows ISE to sell complete hybrid systems
- \$16M in revenues from inception (1995) to mid-2003
- With first large scale order in 2003, ISE has \$20M in firm business (2004-2008) plus ~\$20M in options
- ISE seeks \$10M investment to help finance transition to large scale assembly and sale of drive systems

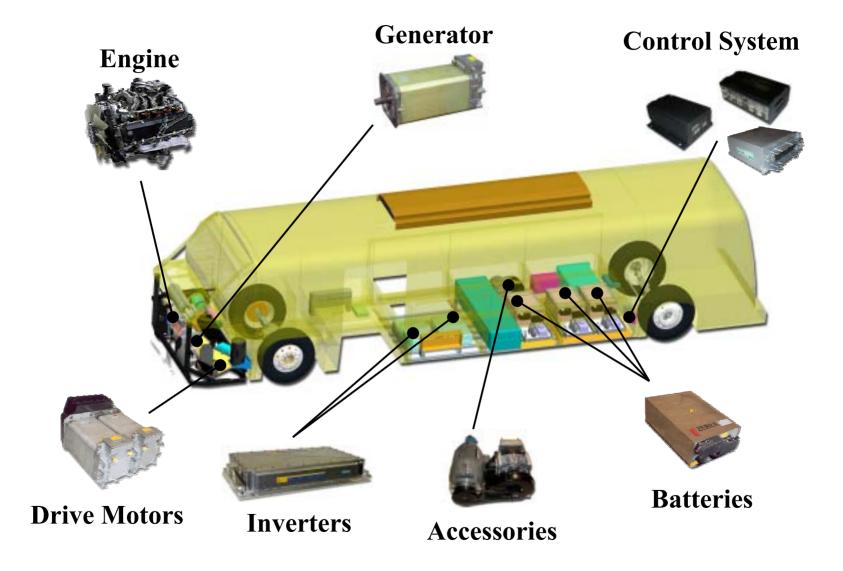


# MANAGEMENT TEAM AND BOARD

Name	Position	Experience
Michael Simon	Chairman	ISE, General Dynamics, NASA
David Mazaika	President	ISE, General Dynamics
<b>Matthew Umbs</b>	Controller	Arthur Andersen
Juergen Schulte	Chief Engineer	R.W.E.A.G. (German utility)
Paul Scott	Chief Scientist	ISE, JPL, MIT, Caltech
Director	Experience	
William Owens	Co-CEO and Vice Chairman of Teledesic Inc.; Former Vice Chairman of Joint Chiefs of Staff	
David Goodman	Chairman, CEO of United American Energy Corp.	
Mark Quallen	Former Principal Court Street Investments; Former Co- Founder, President and CEO of Hydra Development Group	

# **HYBRID DRIVE SYSTEM COMPONENTS**



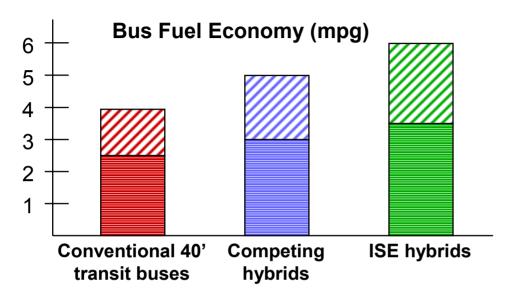


# ISE DRIVE SYSTEM PACKAGING For Large Scale Production

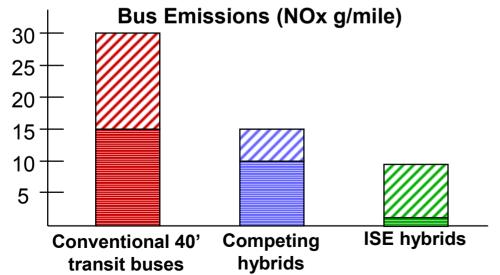




## **MARKET NEED**



- An ISE hybrid bus can save up to 8,000 gallons of fuel per year — \$12,000 in annual cost savings
- Hybrids also offer significant maintenance savings and performance benefits



- Hybrid buses offer dramatic emissions reductions
- ISE hybrids have lower emissions than competing hybrids because of advanced engine controls



# **ADDRESSABLE U.S. MARKET**

Type of Vehicle	Annual U.S. Sales (Approx)	Expected Average ISE Revenue per Vehicle	Total Annual Revenue Potential
Transit Buses	8,000	\$150,000	\$1.2 Billion
Heavy Military Trucks	10,000	\$200,000	\$2.0 Billion
Short Haul Class 7 and 8 Trucks	50,000	\$100,000	\$5.0 Billion
Other Types of Buses (e.g. School Buses, Touring)	100,000	\$75,000	\$7.5 Billion
Total Annual Sales	168,000		\$15.7 Billion
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International Market	?	?	?xxx Billion



# **COMPETITIVE ASSESSMENT**

Competitors	ISE Competitive Advantages	
"First tier"	ISE offers multiple choices of fuels (diesel, gasoline, hydrogen, natural gas) — competitors offer only diesel	
suppliers	ISE's architecture more flexible, offers more options	
	<ul> <li>ISE's control system more technologically advanced; offers better performance (fuel economy, emissions)</li> </ul>	
	ISE noted for customer responsiveness	
"Second tier" suppliers	ISE has more total system expertise, is not locked into specific, unproven components	
	<ul> <li>ISE has far more experience in its target heavy-duty vehicle market</li> </ul>	
	ISE the only small firm achieving high volume sales to major vehicle manufacturers	

# CUSTOMERS / STRATEGIC PARTNERS



New Jersey Transit
AC Transit
Sunline transit
LADOT
Hydrogenics
City of San Bernardino
U.S. DOT
General Motors
Long Beach Transit
US Air Force
NorCal Waste
United Airlines

New Flyer Industries
Motor Coach Industries
Thor Industries
Van Hool
PACCAR Corp.
Gillig Corp.

Siemens
Maxwell Technologies
AQMD
CALSTART
Transelectric
United Technologies Corporation
California Air Resources Board
US Army (TACOM)
Cummins Engine Co.
FORD Power Products

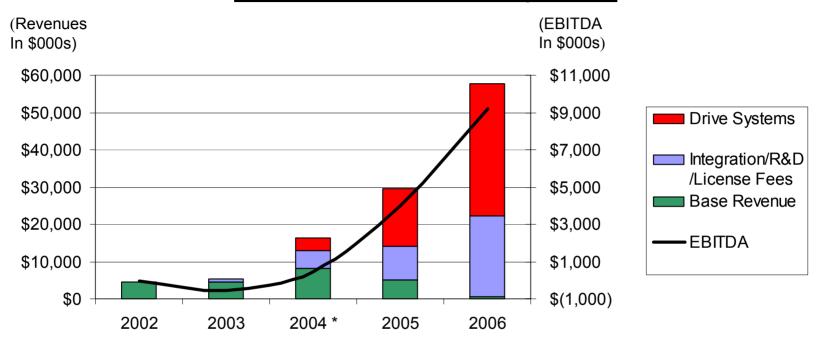
**CUSTOMERS** 

STRATEGIC PARTNERS



#### FINANCIAL SUMMARY

#### **Revenue and EBITDA Projections**



<sup>•</sup>Base revenue in 2004 includes existing contracts plus initial Long Beach order

### **Principal Uses of Proceeds**

- 1. Working capital to enable ramp-up of drive system production
- 2. Sales and marketing, including expanded participation in trade shows
- 3. R&D and testing, including government certification of ISE systems





### WHY INVEST IN ISE?

- ISE is a proven force in the hybrid market with \$40M in backlog and options, and \$100M+ in other targets
- Large market driven by large economic benefits, air regulations, and geopolitical forces (imported oil)
- Experienced and exceptionally talented team backed by major strategic partners such as Siemens, Ford, Cummins, and United Technologies
- Funds to be used for expansion and production of proven products, not risky new developments

